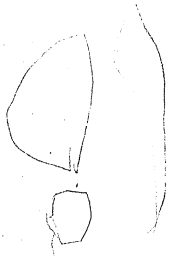
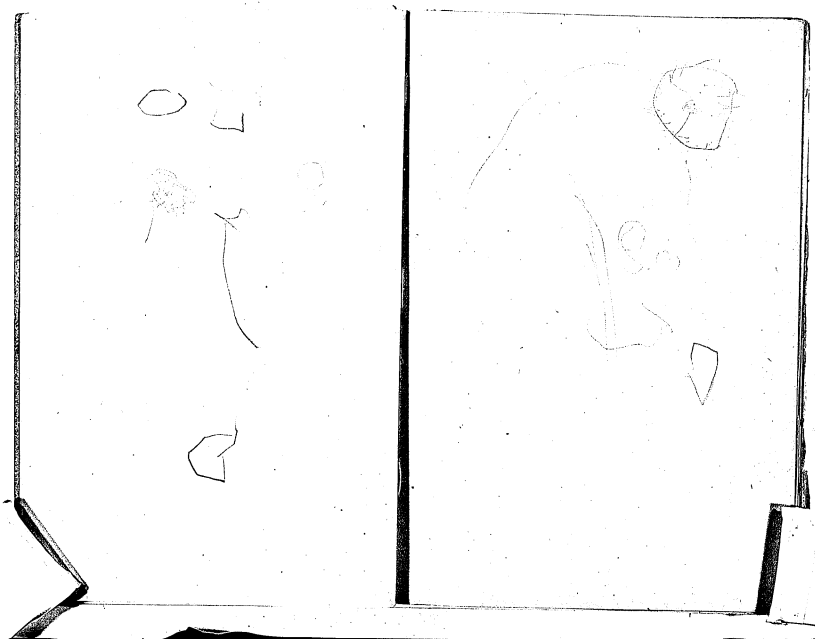
Notebook, N-98-00-00.1

This undated notebook was probably used sometime between 1894 and 1898. At the beginning of the book are lists and notes by Mina Miller Edison regarding her schedule for a week's activities. Included are notes about arrangements, a guest list, and a draft invitation for a party. Among the guests listed are Llewellyn Park residents, such as Henry B. Auchincloss and various members of the Colgate family; Edison associates, such as Charles Batchelor; and several members of the Miller and Edison families, including Mina's siblings, Theodore and Grace, and Edison's sons, Thomas and William. The remainder of the book contains notes, drawings, and calculations by Edison, probably relating to ore milling, as well as a list noting the properties of numerous organic compounds. The pages are unnumbered, and several pages have been removed from the book. Approximately 80 pages have been used.

A
S
D





4407.08
3799.79
607.29

4407.08
3000.00
1407.08

200
176.90 3.00
23.10 300
500
200
300
1500 176.90 — 200.
1407
93

300 — 249.18
300 — 225.54
500 — 446.85
200 — 369.75
292.48
1500 1583.80

4407.08
1500
2907.08

3799.79
2907.08
892.71
23.10
869.61

300 Decker 249.18
300 Arnoldt 225.54
500 W'Rocker 446.85
200 Williams 292.48
176.90 Chalmers
1476.90 1214.05

Dinner

Miss Beatty – Charlie Ford
" Gordon – William Miller
" Grace Mc – Mr. Bail
" Edith Edison – Arthur Edison
" Burke – " Thomas
Mr. Ford – Miss
" Mrs.

Mr. Edison requests the pleasure of your company on Thursday evening at eight o'clock to hear Mr. Fisch read a paper

Saturday –
Miss Burke
Miss Edith "
" Watson
" Lee
" Putnam
" Smith
" "
" Daisy Grace

Mr. Ford
" Woodhull
" Lee
" Putnam
" Kingman
" John Miller
" Theodore "
" Thomas Edison
" William Edison
" Douglass
" "

Friday –
Louise Brown
Miss Peters
" Florence Brown
Barnes & friend
Brown

Saturday { Matinee.

Sunday { New York churches.

Miss Ellen		Susanna Gordon
"		Mr. Colgate
Edison		"
Miller		"
Pettit		"
Page		"
Miss Bell		"
Mr.	South Orange Hawks Nest	"
Mr.		"
Hardacre	Belle	"
"		"
"		"
Watson		Eddie Simpson
Somers	Friend	"
Howard		Theodore Miller
"		Douglas
Schenyer		"
Barclay		"
Rice		Brookhill
"		Broad
Miller		"
"		Haynes
Simpson		"
"		"
Pulis		Simpson
"		Mollie Cy.
Blackfield		"
Sunday		"
"		Koutz
"		Van Pour
Mr.		"
Burgess		"

Miss Mate		Dora Cordrick
" Edy		Simpson
"		Hicks
" Nate		Thomas Shann
"		Ed Ellison
"		Mr. Gardiner
Harrison		Will Gordon
Grace		[illegible]
Watson		Mr. Eppley
" Paulsen		
" Bonnie Brown		Mr. Somers[3]
" Spence		Ball.
" Gardiner		Cuss
" Wolt		"
" Burner	South Orange	Stanley Ward
" Carlin		" Calvin Brown
" Gunsby	Cynthia	Sherman Hall
Thursday	Tea	William Gunsby
Friday	Dinner	James Ryder
Saturday	Matinee	Evening
Sunday	Cuss	
Monday	Evening company toys	
Tuesday		
Wednesday	Matinee	
Thursday		

Monday	Stag Luncheon at Chit. Mrs. Burke's Luncheon Mr. & Mrs. Kendal. tea.
Tuesday	Grace's girl friends Assembly.
Wednesday	Theatre.
Thursday	Shopping. Grace's friends in for cards.

Grace	Mamma's Room.	
John	West Room	
West Room	John. Kountze. "	Tuesday
Mamma's Room	Grace Belle	Friday
Second Room	Jane & Grace	Saturday
Boys	Thos. William Bill.	

400 –
380 ft 18"
20 40 200 800

400) 764 (19.1
400
364
360
40

45 ft high

20
700 –

6) 116

23
115
6
20

6) 121
20

67200
35600
2.6 5 8 0 0
2.6 5 8 0 0

50 40000 60
300
240
24

60) 5000
300
2400
24

6000
140) 240000 (171 gallons
140
1000
980
2005

1.706

33 gallons) 5940000 (15
33
270000
264000
6000
1650
4350

3 130 –

1000 800 Lb.

	HP
from rolls to 14 mesh flight Conv	20
flight Conveyor	6
from Stk House to Rolls 75 tons –	20
14 Rolls – "	40
50 "	40
Return to 14 Rolls	3
Belt to Dryer from 14 Screens –	3
" Top " "	7
Tail belt to Top sand Hoop –	16
Return from Dryer –	3
Return to 50 Rolls	3
Belt to 50 mag	5
flight in 50	4
Roll for do all –	7
Blower to lift for flux	10
6 belts at mags	12
2 Elevators	10
Belt to Stock House	6
Sand House	6
Blower on Dryer	3
Exhauster "	10
Blower for flux	10
	1
	246
Engine	15
	8
pump	269

275 H.P.
250 on hand
525

1500 | 28000 (18.6
15000
13000
12000
1000

10
10
15
25
20.
40
10
3
3
2
15
3
1
173 —

12.5

12°

12.5
18.6
50 —
32
15
3
5
1
56.1

225

123 —

150 —

180 4 Hours

1500 — | 18000 (12.5
1500.0
3500
3000
500

20
30
50
70.000

80
300
250
80

4

525 —
40 are
50 Tuning
20 Zukum
50 Hours —
685 —
275
960 1/3

2240
4
896

960

80 000 lb
4000 — water —
8000 — 50 Dyes
30000 big Dyes —
5000
127900
17900
159800
1500
220

$37

2880
4320
3324
3324
6648
7992

2240 | 127900 ($37

150
90
24

57
330
171
171
1881

66 | 300 (4.54
264
300
330
300
264

1881.00

250

240 6 | 20000 —
3336
6

3336
20
66.72

19.998

95 Hp 70 tons 45% 10 inches

26 - no crushing 400 feet 6 inch shaft

36 -

1st -	40 -	1 week
2 —		$1\frac{1}{2}$
3		2.2
4 ———		3.3
5 —		4.9
		2.23

3 1

15 feet.

40 -

600

18) 720 (6600

108) 3,200

120

108

120

6600 tons —

6600

20

32,000

175

3

525

4

2100

20

6400

4200

5040

Rhamnocathartin Translucent amorph

Rhamnotannic acid amorph

Ricinelaïdic acid Barium salt Unction - to touch

Rosolic acid - as base for manufit -

Rubiacic acid amorph

Rubian ~~Al~~ W M. Much Carbon left - it from Madder

Catechu m Alkaline Carbonate air - yields with ACC red flocks which quickly turn black

Rufumoric acid amorph

Ruthenium for battery V 137-8
See sodium digested on Tetraoxide –

Rutin – in alkalies + air brown
stuff

Rutin after melting amorph

Rutin with Ag oxide form dark
brown amorph mass fuse.

Saccharic acid colorless
brittle mass –
" turns brown at heat water
bath Ferrous salt gummy

Sacchulmin brown subs
by action dilute acids on sugar
monohydrate thus organic

Oil Sagapenum 4y air
& sun Brano Varnish

Salep = 1 part capable
Converting 48 pts boiling
water into thick gum
which becomes Compact on addition
Magnesia or borax? S

Salicin DWM — ?
Chlorosalicin Red resin
Salicylic acid Mono-nitro- Resin

Salicylic anhydride - amorph See

Salicylide - amorph -

~~Benzoo~~ ~~Methyl Salicylate~~ -

See Methyl - Dinitrosalicylic acid
fot.

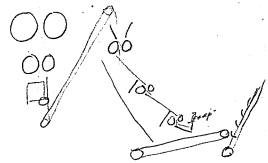
Salicylates of NH_3 Odor Rose
strong -

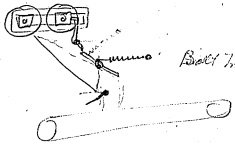
Bromosulphosalicylol. Resin

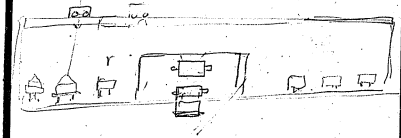
Salicylurie acid. Dum

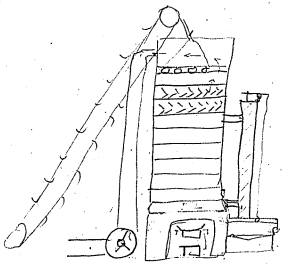
Salegenin amber resin formed
after heating

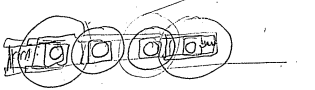
Corrals

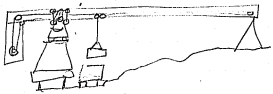









10
10
10
10



Chlorogalegenins —
Mono — a Resin

Saliretin - Resinous may
be fats —

Sage oil active Nit a -
Resin — see Salvia

Samadera indica - contains
Samaderin the most bitter
out known

Sambucus - has soft Gelatine
Resin can be used as Bird Lime

Santonin by prolonged fusion
cool to amorph - Helenin do -
it says many Resinous bodies by
prolonged fusion do same -

Santonate sodium gummy

KO salt do

Dichlorosantonin amorph

Sarcocollin DWM.

Sassafras Oil - strong cot H_2SO_4
attacks violently Red resin -

Ipomaeic acid acid & salts
electric by friction -

Selenocyanate of ~~lead~~
magnesium amorph

Selenocyanate of KO - very
Sol dec by weak acids
deposit Selenium & giving off
Hydrocyanic a - Automatic
paper -

Selenite Aluminum gummy
Iron
Cerium - varnish
Chromic "
Cobalt

Semenaphthylamine - or
Amedonaphthylamine
turns dark air -

Sponge matter -

Diethylic Silicate. a liquid
after moist air silica solidifies
in 3 months has vitreous fracture
like Hyaline quartz + scratches
glass

Silicofluorides - glucinum salt
porcelain — magnesium salt
gummy

Sal Stannic Chloride heated
130 @ 150 c Turns cellulose
black -

aq O + amorph P dry mixed in Vac
reaction takes place (Light) 9
Chemistry See V 302 oxidizing

Storage bat. good I think for a base —

Peroxide Ag deposited from nitrate by electrolysis —

An ammoniacal Sol of Argentic arsenate turned brown by Hydrogen & gives black powder automatic

Argentic Sulphide soft enough Cut Knife so soft muff make Wed other with dic glimo. —

Sinapic acid in Ko brown by air —

Sulphocyanate of Sinapine
gummy
Solanidine . sulphate amorph
Solanacine . amorph by acids
Solanine, gelatinous. melted
amorph in cooling
Resinoid by nitric a
gallate is amorph
Oxalate "
Sorbitic acid . fats .
Spiraein - in alkalis & acids
bromine sub -

Stearic acid fused with
phos anhydride. yellow mass
when fried from stearic
Fuses to 60 C is converted by
Heat into a brittle waxy
mass

Stearate silver amorph &
very electric when dry not
affected by light when dry

Chlorostearic acid - Solid Resin

stearoglucose Dec to
humus substance

Stearone - very electric

Chloride strontium
Enamel like mass

Succinate lead basic salt.
glutinous. when warm brittle when cold

Sulphanilic acid DUTM.

Sulphobenzamic acid amorph

Amidosulphobenzoic acid
Chars without fusion - ?
Sat NH_3 - water etc

~~Sulphobenzoic~~ Chloride -

Sulphocamphoric acid Pb salt
amorph

Xanthic acid
Xanthates Calcium Salt. gummy
Sulphocinnamic Acid
Ag salt amorph
See Sulphocyanic V 507 amorph

See Oil Mustard.

Methylic Sulphocyanate,
aq NH_3 decomposes at gradually
forming Urmin —

Sulphoglutinic acid glutinous
acid action Sulphuric anhydride in presence
on Naphthalene,

Sulpholignic acid syrupy acid
action H_2SO_4 on cellulose, forms
Sol. Salts with Ba + Pb oxids

Sulphonaphthalene.
Electrolysis, amorph trans

Sulphosalicylic acid NH_3 Salt
turns brown on evap.

Sulphosuccinic acid DWM.

Miscellaneous - See ammonio-
menthane - sulphite, V 547

Methylsulphuric acid
Pb salt amorph

Naphthylethionamic acid
amorph

Tetrachloronaphthylsulphurous acid – gelatinous

Pots. See Naphthylene sulphurous acid
V 568

Naphthylene-sulphate NH_3 Ba Salt
amorph. –

Tetrabasic sulphate Aluminum
Trans Mass.

Sulphate Selluvium Trans Mass
" Vanadium blue Trans "

amyl sulphate Aluminum
gelatinous

Amyl sulphate of NH_3
C_5H_{11} - learn Carbon.

Amylsulphuric acid. Easily
made its salts soapy to
touch.

Ethylsulphate Ammonia gummy

Sycoceryl alcohol.
from glass

Sycoceryl Ethers:
acetate strongly Electric

Sycoceïn. ampph. highly
Electric also fats

Syntonin - gelatinous.

Tannogallic acid

black mass amorph. insoluble

about 60 marks thrown down

black powder -

Tannic & other acids in KO or NH

OXYD in air to get rid of

KO & pp then use acetate

lead & then use Sul acid

& alcohol -

Tannoxylic acid fels

Tartaric acid heat hand
Sufficient mate pyroelectric
effect electroscope —

Tartarate Lead gelatinous
" Strontium + KO. gummy "
" Aluminum
acid T + K Dis aluminous - amorph

Boropalatoric Tartrate amorph
Acetotartaric Ether dec by
Sodium - gummy. trans
Amyl tartrate Barium - amorph
Citratartaric acid from amyl

Ultratartaric acid prevents pp of ferric oxide by alkalis – baltin

Terebamic acid Basalt gum

Terebenilic acid resembles gum Arabic

Oxyterephthalamic acid

Insoluble with bases but with highly fluorescent.

Thallium Sulphide is like plumbago

Thallium Ethylate refractive & dispersive power exceeds all other liquids.

Thallium glass denser & more refractive than any known

Thiamsoic acid
gets. Pb salt amorph.

Thiet-Sie fits get,

Thiomelanic acid, black mass
action excess H_2SO_4 on alcohol
formally speaks Carbon but
known to compounds as form
salts with RO + other bases
may be as NH_3 Ny - 9000
see Gmelin - 8 240.

Thujin. DUM.

*fused Thymoil amorphi-
Drawn threads, poly O-fr fits

Thymol see reaction.

*Thymotic acid Expands on solidifying

Thymotide - gumming

Tin for storage.

Stannic acid, hard translucent
gum arabic like.
Stannate NaO_3 - gelatinous

phosphide Tin Cutin Knife
Stannous sulphide greasy

Mercuric sulph Tin Sulphide
Electric by friction used
in table glass medium
Phosphorescent, porcelain
Titanic Sulphide like mosaic
gold -

Toluidine see reaction pts 866
Vol V

p nitrobenzyl reduced
by Sodium to Tin Mass.
see Benzyl & Tolyl -

Tribromobenzyl D W M.

Bromide Benzyl. D W M

Mauveaniline D W M

~~Trigenic Acid~~

Trityline Ethers. Sulphide
amorph –

Propylophyrite. amorph
acid. gum humus

Tungstate Sodium resembles
gulf way shipping,
see Dioxide Tungsten

Tungstate Aluminum Vitreous

Melaninglic acid ferric salt
amorph aluminum do
silver waxy

phosphotungstic Quadrat
Elec. goods. not attacked by even
aqua regia —

Di Sulphide tungsten - graphite like

Turpethic acid. amorph.

Tyrosine DWM.

Amidotyrosine DWM

Nitro Tyrosine nitro basos
Ba Salt amorph.
See Erythrosin fet

Tyrosine-Sulphuric a -
Salts amorph

for details Ulmus sub See
Gmelin XVII, 458 —

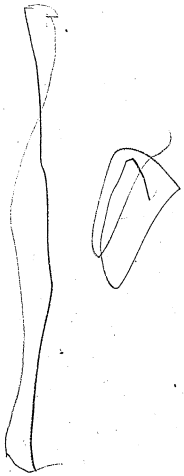
Umbelliferone - Chlorinated
deposits powder brown

Uramilic acid - DWM.

Uric a DWM - Try Tetraethyl NH_4
as solvent for filt

acid Urat of NH_3 - ammph -
" p 6 "

Uric a basic for filt gives
40 sub by oxidation



Uranic acid
strongly Electric by friction -
dis alkalis O of ~~uran~~ give
black stuff -
Vanadate of ~~[illegible]~~ KO O much -

Vanadium dioxide Conducts
Elect. metallic look
def. to fuse. good in HCl
H_2SO_4 - & Hydrofluoric a
see article pbly best
for strong yet — Vanadium if
Could be got Cheap pbly make
pretty good electro
oxides — see other

Vanadatilla amorph
varnish like -

Veratrin fl.

Veratral. - Chlor-acetan
unctous mass

Violantin DWM. see.

Violurate of Cu amorph
aq salt gelatinous

Viscin dechlid bcam a'n
asphalt.

Walnut. juglandic
a.c.d. - brown sub

Wormseed oil –
See Cinaephane DWM.
to velvet black & a Hydrocarbon

$C_{10}H_8$
See also Cinaephone –
Wormseed oil good base
to Hermpulate.

Xanthine DWM.
Xanthoproteic acid DWM
Xenylamine – black compound
in Oxidation & CHLTB.
See Zinc Chl 1070 V
Coriamyrtin – appendix
Vol. V 1090

Appendix Vol V

Mucous neutral Zinc Salt
amorphi –

End Vol V

1st Sup

Absinthium boiled with
dilute H_2SO_4 Resin
Tannate of Cinchonine – a plaster

a Carroid Resin – give great
quantity para oxybenzoic a
& pyrotartaric.

Nitranthracene is
Fruhopsche Reagent
unites with all the solid Hydrocarbons
of Coal Tar –

Acenaphthene heat to 1 to it
boiling point with Iodine
decomp. Carbon Iodo Subs

Ferric Lehaacetate amorph
1 sup 16 -

Tarry matter 1st sup under
Ethylacetate " 14

Sodium Diacetyl - waxy mass
resembling acetic Sodium
acetic Ether 1 pt Sodium 8 pts
water heated water bath
until Na disappears

Dichloroacetic Acid Pt salt
amorph

Black brown sub action
acetic oxide heated 160 C
Sealed tube with ZnCl.

Yields tars at high temp
on acetic oxide - black subs
1st Sup 23.

Acetic oxide at 160 C
dissolves Cellulose to a
syrup - resulting C is
solid amorph decomp by
alkalis reprodcs Cellulose
1 Sup 24

Pentachloroacetone forms with
KO sulphydrate amorph body
1st Sup 28.

Aconitinic acid fats
1st Sup 30 + 29

Aconitine hydrochloride
see Solubility products part
2 + H,
see morphine, 1st Sup 33-34

Acrolein also naturally in
Amylene — amorph sub.

Acrylic acid Barium
salt, amorph

Aesculetin oxidation
gives brown resinous sub
all amorph. see Aesculin
1st Sup 59

Methylene dialdehyde
Cyanamide after 24 hrs
changes to body resembling
Copal resin

Dichloracetaldehyde left in
sealed tube changes
to a white powder
insoluble in water — see acetaldehyde

Allyzarin - fits

See alkaloids 1st Sup 85
Combn of alkaloids with
Sulphur probably good for fits
also remedy all amorph

Diallyl - with sulphur
probably poison.

Aloes - fits 1st Sup 99

Picric acid compl

" " Liquid [illegible] 1883

Sulphide, methyl blue

gelatinous sub —

Amylacetal with ZnCl.

leaves black residue on retort

Bromamylene Dibromide

DCWM —

Diamylene. desulpho-dichloride

DCWM.

Acetal with Ammonia

DCWM p 66 —

Amochumin — action

acetyl chloride on amic

dichloride blackmass

1 Stop 171.

Aposorbic acid. gives black mass after Decomp -

Atherospermine highly Ureatine powder. Effects also by light —

its alkaline — gives vermish color salts with acids —

Atrosin, fets

~~Azoimide acid~~

Benzoic acid very electric when rubbed,

Diazobenzimide - Silver salt lemon yel

Bergine — on distln gives Bergerthene which distills red heat at [illegible] to red resin like colophony

also Bitumen which remains in retort at dull red heat a blackish liquid dissolves ether & leaves on evap a film having metallic lustre. 1 Sup 281

Dichlorosulphobenzide — viscid mass

Nitrosulphobenzide, honey yellow unctuous mass

See Tolueneu Sulphuric acids 1 Sup 288

See Tolyl-sulphinate 1 Soxp 290
+ take numbers —

Mesitylene sulphurous acid
Ag salt gelatinous

Benzoic acid — Resin —

Hemioyanamidobenzoic acid
amorph

Para-azobenzoic acid Ag salt amorph

Benzosulphuric anhydride —
amorph —

Thiobenzoic acid blackens
without melting.

Thiobenzoyl sulphydrate
see Thiobenzoic acid resin
NH_3 salt Resin –

Benzoic aldehyde or Bittersalmond oil
add reaction which phosphorus
Resin like Colophony. I Sup 327

do Benzoic aldehyd left Carbonate
cinnamic Carbamate camorph.

Parachlorothio benzoic aldehyde
Trans Varnish –

Benzoyl chloride not
acted on by Chlorine
even at boiling heat

see Tribenzylamine.

Blackbrown residue on
distilling Di & Tribenzylamine
1/2 bulk left. see Benzylamine
I Sup 337

Argento-Berberine — amorph

Betaine OCWM.

Iodide Bismuth sensitive to Ultra Violet Light.

See Bismuth for bulletin 1 Sup 349

Bixin amorph
when boiled HCl-Gromatuff
fused with KO hydrate block
brown amorph Compound
Chlorinated products also —
1 Sup 351

Boric acid + alum Sul a 5 B_2O_3
2 H_2SO_4 — fuming at + heat
to 250 @ 80 —
Clear by
Cool to a clear glass.

Boric Ether – Triethylic Borate
gum arabic like mass

Cetylic borate. melt, 58 C. resembles
Cetylic alc –

Glyceric borate. horney
glass semi –

phenylic Triborate, like
rosin.

Brassidic acid Na salt
Electrolysis fusion,

Bruene-vinylammonium hydrate
perfect brown varnish, see
Bruene 1 Sep 371

Camphor Resin Camphor heated
for 3 or 4 hours with alcohol
KO potty. Connected Sapon
tong w Resin

Camphrene and Decom

Caoutchouc swells up & dissolves
in ~~[illegible]~~ partially in
melted Naphthalene,

Capryl Alc. [illegible] spermaceti.

Dest fused Caramel + one sino

When big piece platinum is
wrapped with tin foil &
[illegible] in Carbonic Disulphide,
small crystals C are deposited
4 oz 1 sup

Carbonaceous fuel —
decomp [illegible] of
200 C S —— | Sup 410
its amorph Gram — readily under
water sand
See several Reactions of Bisul C —

Carminic acid
See Cocinin

Catechin Gold [illegible] Soy
out Cutch [illegible] or more contains
KCl — Gram amorph powder
Catechu heated Bengal fulbrade
Prom sub — C heated to 100
C with water phosphorus
Iodide — from Sub which
gradually deposits gallous
Elastic Sub —
Prom sub called Japanese
by Of Catechu with
Pot bichromate | Sup 416

Calcolutanic acid dis in NH_3
dries up over Soy to Vannah

Cathartic acid black sub
Sol NH_3 ppd by acids

Cerotic acid — oxidn Barytic
(mp 66) with KO bichrom + SO4 H
and compound quickly Mang Dioxide
which forms oxidn —

Chelidonic acid DECOM

Chinolin — Sulphuric acid
if fused with KO leaves black
amorphous

Chloroquinic — salts amorph

See Chlorophyll — ether
Soy on green leaves — alcohol

Cinchonia - red [illegible] KO - brown [illegible]

Codamine salts amorph

Hydrochlorate Apocodeine [illegible] amorph

Colchicine. Brown salt amorph

Copaiba Balsam - with Magnesia [illegible]

~~Cyanopn. Bromide~~

Helleborin - dries up to amorph — DUTM [illegible]

Helleborstein - amorph

Helleborin DUTM

Nitranilin Red by Sodium amalgam to black resinous mass

Disodiostearic acid - mp 126° unchanged - DCOM.

Xanthiopsin DCOM

Lysline —

Sulphomalic acid DCOM

Oxynaphthal in alkaline Sols instantly turns black in acid — oxynaphthal itself DCOM turns brown

phenol in Chloroform with KO - 1st product brown amorph

+ve sol alkali pp by acid

Phenylamine see 1 Sup 920 urobilinogen

Dibromo-(phenylene-diamine)
Urin - see

Terephthalic acid emph

Resins (formed) antifung
by action phosphorus
Anthraquinone Aldehydes
also with Volatile oils

Resorcin - see Sup 1 993

Uromelanin - action SO4 on
Urine - black sub - Urines
Urinate

Viridic acid Brom nitroph
Xylenic acid nitroph salt

1190
119
30,9

228
23
3 37 — 20
3 37 — 10
2 28
28
309.

40 mm mm -

100	40.
60	30
30	15
15	7.50
7.50	3.75
3.75	1.87
1.87	.93
93	.42
21	11
119.26	99.55

119
11
130 — 90
13
143 — 80
14
157 — 70
15
172 — 60
17
189 — 50
18
208 — 40
28 — 30

36
70%
25.2

100.80
25.20
75.60

36

36 monoquad 70% effing screen Rolls 36

100	33.50
64	32
32	16
16	8
8	4
4	2
2	1
126	96

126	100
126	90
113	80
151	70

166 tons

36% Roth 100 screens

36 m original

100	33
64	23.04
40.96	14.74
26.22	9.43
16.79	6.04
10.75	3.87
6.88	2.47
4.41	1.58
2.83	1.01
1.82	.65
1.17	.42
.75	.27
17.58	6.32
364	3 4 5

17.6	100
17	90
19.3	80
21.7	70
23.3	

64
33
192
192
2112

100
33
300
300
3300

53
33
159
159
1749

1679
604
1075

4096
1474
2622

150
36
54
54
1944

2632
36
1579
3
7896
7896
9476

2112
1075
36
6450
6450
3225
3225
3225

6400
2304
4096
4096
4096

688
35
3440
2064
2064
2064

1075
387
688
688
1376

1679
36
504
504

4096
36
2457
1474
1474
1474

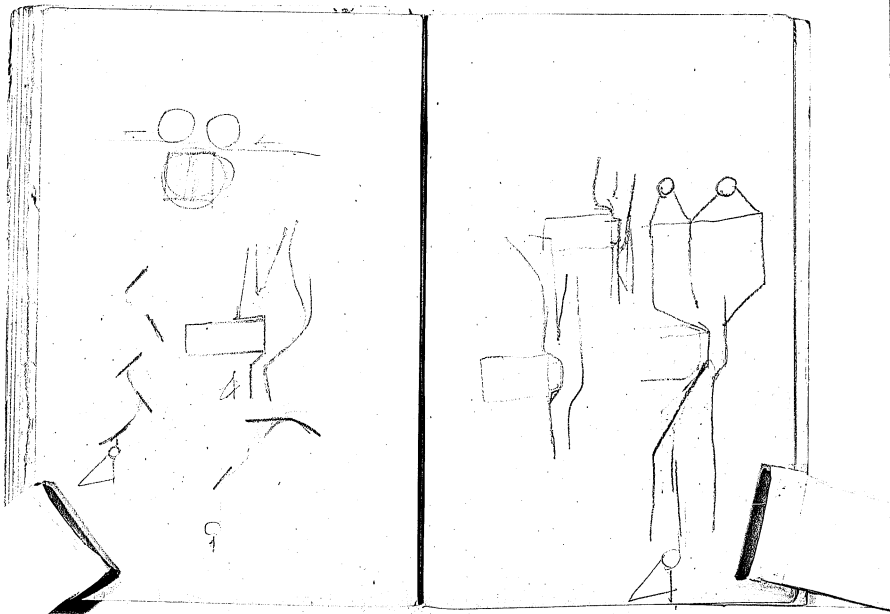
2622
943
1679
1679

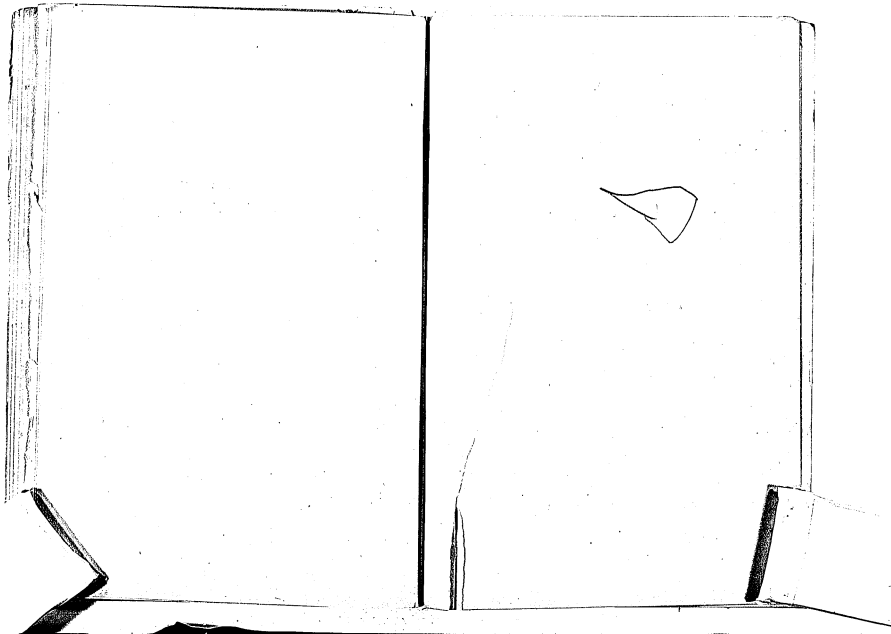
1679
36
504
504
504

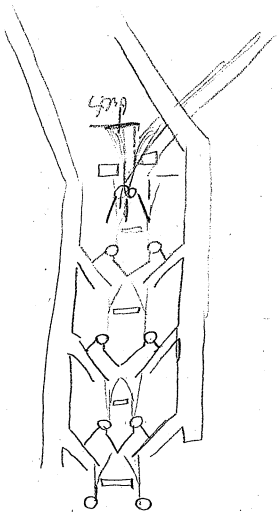
2457
1474
1474
1474

688
247
441
441

441
36
1764
1323
1323
1323







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